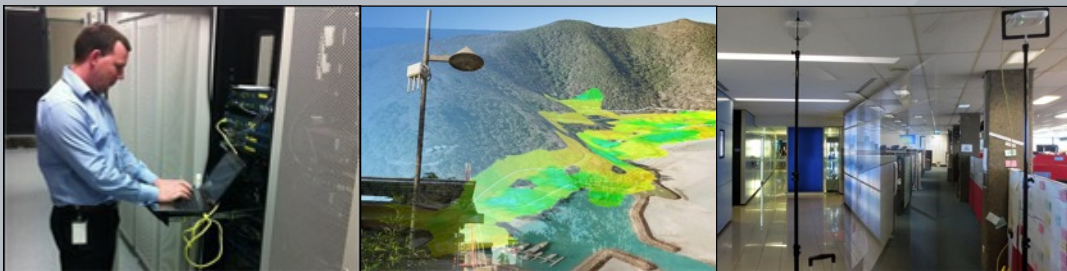


Company Profile



Notice of Proprietary Rights

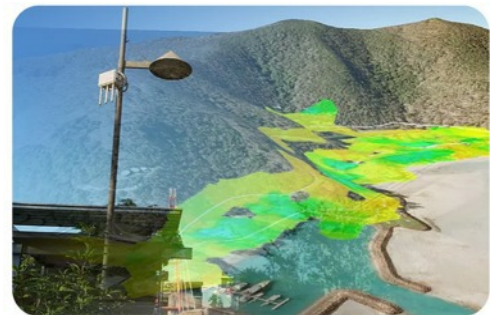
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ABOUT DYNAMIC WIRELESS

Company

Dynamic Wireless is an independent Australian Wireless Consulting Specialist, providing a wide range of wireless consulting solutions covering all phases of a wireless network project, from RF surveying, planning and design, to installation, configuration, optimisation, troubleshooting and documentation.

Our dedicated CCNP Wireless Certified Principal Consultant provides a wide range of wireless consulting services to the Australian-wide and global market, across all industries, catering to the unique RF design constraints of each customers' environmental conditions. Our Principal Consultant brings to customers over 15 years of local and international dedicated wireless experience, having designed and implemented wireless solutions in over 25 countries across Asia-Pacific, the Middle East and Africa, Europe and the Americas.



Our suite of tools include all major leading wireless planning tools



Our Consultants

Our Principal Consultant has over 18 years of experience including the analysis, design, implementation, project management and support of numerous wireless network solutions for corporate enterprises, universities, airports, rail, hospitals and healthcare, inter-modal logistics, warehousing, industrial, manufacturing, utilities, mining, hotels, resorts, retail, retirement villages and government entities world-wide.

Education: Bachelor of I.T (Datacommunications), QUT, Australia

Certifications: CCNP Wireless

CCNA Routing & Switching

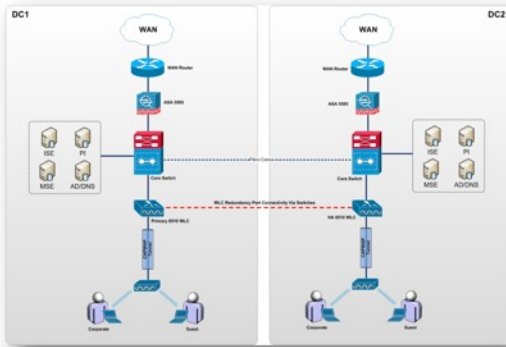
Ubiquiti airMAX Certified Admin



Wireless Network Design

We work with clients to design a wireless network that meets all of their technical and business requirements in terms of:

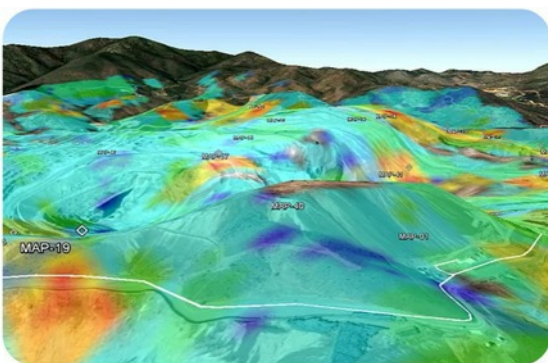
- **Coverage & Capacity:** Data, Voice, RTLS
- **Infrastructure:** Switching, PoE
- **Security:** Authentication, Encryption, wIPS
- **Management:** CleanAir, Prime, CMX
- **Optimisation:** Roaming, RRM, Spectrum Analysis



RF Planning & Design

We use industry trusted leaders in RF planning software from both Ekahau and AirMagnet to perform our wireless coverage site surveys. We conduct custom-designed coverage surveys for the specific wireless hardware you require - whether it be Cisco, Aruba, HP, Motorola, Ruckus etc. Our Wireless Site Survey Services Include The Following:

- Predictive Wireless Surveys
- AP-on-Stick Wireless Site Surveys
- Passive Wireless Surveys & Spectrum Analysis
- High-Density & Location Tracking Wireless Surveys
- Outdoor GPS-Calibrated Wireless Mesh Surveys



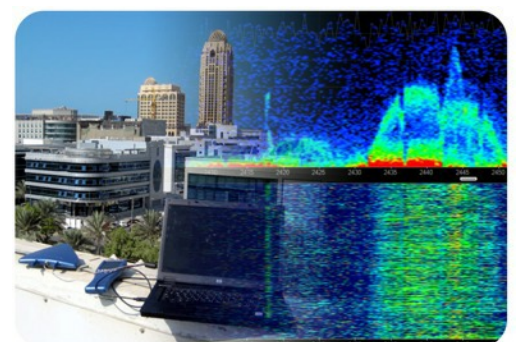
Wireless Mesh Propagation Prediction

We provide an advanced method of predicting outdoor wireless coverage over any geographic size, and generating 90%+ accurate RF prediction maps in Google Earth using the latest terrain data and clutter, or DXF terrain elevation data. Using custom antenna pattern files and transmit power characteristics, we are able to customise hardware for any type of wireless vendor hardware. We have designed for dozens of sites including:

- Mine sites, Outdoor Parkland & Smart-City
- University Campuses & Airports

Spectrum Analysis

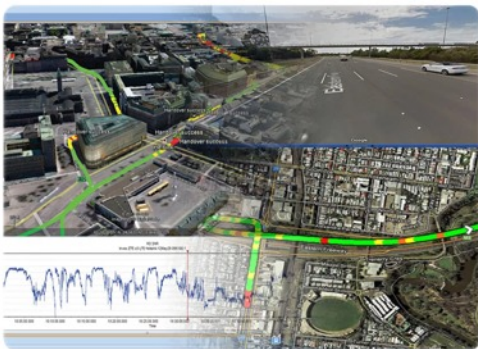
Experiencing wireless drop-outs or poor performance? Dynamic Wireless conducts onsite in-depth RF spectrum analysis with real-time WLAN information, to diagnose and pin-point the root cause of your wireless connectivity problems. Our spectrum analysis capabilities cover both the 2.4 GHz and 5 GHz frequencies. Using the built-in RF interferer classification database, we can even identify the type of RF interference causing the problem, including non-WLAN devices such as Bluetooth, cordless phones, zigbee, microwave ovens, wireless game controllers, and many more.



Wireless Health Assessment

Dynamic Wireless's 'Wireless Health Assessment' service ensures your company is getting the most out of its WLAN Infrastructure. We perform a complete end-to-end review of your wireless architecture highlighting any RF and infrastructure issues before they cause issues. Our Wireless Health Assessment is customisable and can include any of the following:

- Coverage and Infrastructure
- Security and Management
- Optimisation



4G/LTE Cellular Network Services

Using telco-grade 4G/LTE survey tools, we provide in-building cellular 4G/LTE coverage surveying and outdoor drive-testing using thorough and advanced real-time measurement visualisation of such quality of experience metrics as:

- RSRP & RSRQ (by Serving Cell Primary, Strongest Cell Towers, Serving System & Band)
- Throughput measurements (IPERF, FTP, HTTP)
- Audio/video quality streaming (POLQA, PESQ, PEVQ-S)
- Application testing (Facebook, YouTube, Instagram etc.)
- VoLTE & carrier aggregation testing

Implementation/Configuration Services

Our experienced Wireless Consultant will work with you to implement your wireless network with minimal disruption to your business. With every wireless implementation, we provide you with the following range of deliverables:

- Wireless Detailed Design Document
- Wireless As-Built Documentation
- Configuration files and screenshots
- Wireless Acceptance Test Plan



IoT & Smart City Services

We provide Smart City consulting for various government municipalities with regards to various Smart City technologies, including:

- WiFi mesh, LoRaWAN, Wi-SUN
- Intelligent Street Light Systems
- Advanced Meter Reading (AMR) Systems
- IP Camera Systems

Wireless Troubleshooting

We perform a wide range of wireless troubleshooting, having first hand on-the-ground experience and CCNP Wireless Certification. Some of the troubleshooting services provided include:

- Coverage Hole Detection
- Ekahau & AirMagnet Site Survey Coverage Validation
- Spectrum Analysis / Interference Detection
- Packet Analysis for problem determination and resolution - E.g. DHCP, RADIUS authentication problems etc.
- Cisco Unified Wireless Problem Resolution (AP, WLC, Prime Infrastructure, CMX, etc.)
- Throughput Testing and Analysis
- 802.1X Authentication Problem Resolution
- VoWLAN Problem Resolution
- Location Tracking (RTLS) Accuracy Resolution
- WLAN Client Client Connectivity Resolution



Strategic Wireless Consulting

We cater to your company's complete business and technical life-cycle for your wireless network solution, via our expert level of wireless expertise. By engaging our strategic wireless consulting services, we eliminate the complexity of deciding what wireless solutions and technologies to deploy, by matching your business requirements to technical requirements, to produce an outcome favourable for your business operations. Such services include:

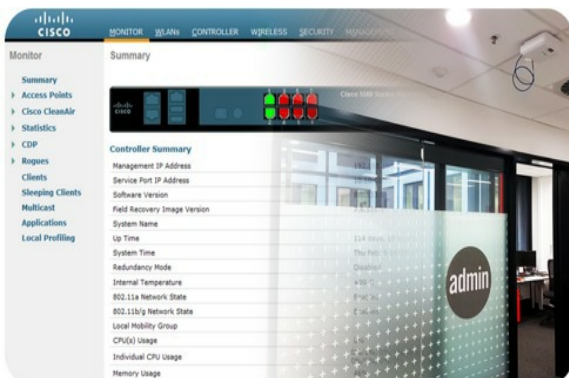
- Lifecycle Services - Plan/Design/Deploy/Operate
- Technology Solution Services
- Pre-Sales Services - Marketing, Data Sheets, Presentations
- Tender Services - Independent Tender Creation & Review



Documentation and Technical Writing

At Dynamic Wireless, our consultants are experts in Visio, Photoshop and Google Earth overlays to name a few of the tools we use to achieve our high documentation standards. Examples of documents we produce include:

- Technical Requirements Analysis
- Wireless Design Documentation
- Coverage Site Survey Reports
- Wireless Acceptance Test Plans
- System Commissioning & As-Built Reports



Where We Work

Dynamic Wireless provides wireless consulting services Australia-wide to all capital cities, regional cities/towns and remote mining communities. Cities/towns that our staff have physically set boots-on-the-ground to perform wireless consulting services are shown on the map to the right.

We capitalise on the benefits and efficiencies that are now made available by the highest quality HD 1080p video-conferencing technology to remotely meet with clients, and via our Wi-FiFo (Wireless Fly-In-Fly-Out) Services, we are able to perform boots-on-the-ground work at any location you desire at short notice. We are available for travel to any location across Australia in order to serve our clients and conduct on-the-ground wireless site surveys, assessments, configuration, troubleshooting and more.

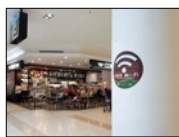


Industry Experience

Below are the primary industries we provide our Wireless Consulting Services too:



Enterprise



Retail



Education



Energy & Mining



Government



Healthcare



Hospitality



Industrial



Manufacturing



Warehousing



Airports & Rail



Shipping

The Difference

Dynamic Wireless is a subject matter expert in wireless networking across many leading wireless technologies, due to its Principal Consultant's extensive local and international experience. Large scale wireless mesh deployments and smart grid communications are some of the leading edge solutions he has worked on whilst overseas.

We believe that our on-the-ground experience and hands-on approach, differentiates ourselves from the rest of the consulting crowd. As such, our Principal Consultant is as engineer, consultant, solution architect, troubleshooter, technical writer and trainer. We bring clarity to customers by making complex wireless network designs easier to understand, with user-friendly documentation. Through a multitude of job roles across differing sectors, our Principal Consultant has acquired a diverse and versatile set of skills in the wireless domain, from technical, design, solution architecture, presales, project management, documentation and training.

Our Principal Consultant has worked across a diverse range of wireless environments of all sizes, from single wireless LANs and bridge links for small business, to multi-campus wireless deployments and city-wide wireless mesh projects.



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